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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (withdrawn) An isolated polypeptide selected from the group consisting of:
- a) a polypeptide comprising the amino acid sequence of SEQ ID NO:1,
- b) a polypeptide comprising a naturally occurring amino acid sequence at least 90% identical to the amino acid sequence of SEQ ID NO:1,
- c) a biologically active fragment of a polypeptide having the amino acid sequence of SEQ ID NO:1, and
- d) an immunogenic fragment of a polypeptide having the amino acid sequence of SEQ ID NO:1.

2-10. (canceled)

- (currently amended) An isolated antibody that specifically binds to a polypeptide comprising the <u>an amino acid sequence of SEQ ID NO:1, wherein the antibody specifically binds to an epitope within the amino acid sequence of SEQ ID NO:1.</u>
 - 12. (withdrawn) An isolated polynucleotide selected from the group consisting of:
 - a) a polynucleotide comprising the polynucleotide sequence of SEQ ID NO:2,
 - b) a polynucleotide comprising a naturally occurring polynucleotide sequence at least 90% identical to the polynucleotide sequence of SEQ ID NO:2,
 - c) a polynucleotide complementary to a polynucleotide of a),
 - d) a polynucleotide complementary to a polynucleotide of b), and
 - e) an RNA equivalent of a)-d).

13-29. (canceled)

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- 30. (withdrawn) A diagnostic test for a condition or disease associated with the expression of NAPTR in a biological sample, the method comprising:
 - a) combining the biological sample with an antibody of claim 11, under conditions suitable for the antibody to bind the polypeptide and form an antibody:polypeptide complex, and
 - b) detecting the complex, wherein the presence of the complex correlates with the presence of the polypeptide in the biological sample.
 - 31. (previously presented) The antibody of claim 11, wherein the antibody is:
 - a) a chimeric antibody,
 - b) a single chain antibody,
 - c) a Fab fragment,
 - d) a F(ab')₂ fragment, or
 - e) a humanized antibody.
- 32 (previously presented) A composition comprising an antibody of claim 11 and an acceptable excipient.
- 33. (withdrawn) A method of diagnosing a condition or disease associated with the expression of NAPTR in a subject, comprising administering to said subject an effective amount of the composition of claim 32.
- 34. (previously presented) A composition of claim 32, wherein the antibody is labeled.
- 35. (withdrawn) A method of diagnosing a condition or disease associated with the expression of NAPTR in a subject, comprising administering to said subject an effective amount of the composition of claim 34.

- 36. (withdrawn) A method of preparing a polyclonal antibody with the specificity of the antibody of claim 11, the method comprising:
 - immunizing an animal with a polypeptide having the amino acid sequence of SEQ
 ID NO:1, or an immunogenic fragment thereof, under conditions to elicit an antibody response,
 - b) isolating antibodies from said animal, and
 - c) screening the isolated antibodies with the polypeptide, thereby identifying a polyclonal antibody which binds specifically to a polypeptide having the amino acid sequence of SEQ ID NO:1.
 - 37. (previously presented) A polyclonal antibody produced by a method comprising:
- (a) immunizing an animal with a polypeptide having the amino acid sequence of SEQ ID NO:1;
 - (b) isolating an antibody from the animal; and
- (c) screening the isolated antibody for specific binding to an amino acid sequence of SEQ ID NO:1.
- 38. (previously presented) A composition comprising the polyclonal antibody of claim 37 and a suitable carrier.
- 39. (withdrawn) A method of making a monoclonal antibody with the specificity of the antibody of claim 11, the method comprising:
 - a) immunizing an animal with a polypeptide having the amino acid sequence of SEQ ID NO:1, or an immunogenic fragment thereof, under conditions to elicit an antibody response,
 - b) isolating antibody producing cells from the animal,
 - c) fusing the antibody producing cells with immortalized cells to form monoclonal antibody-producing hybridoma cells,
 - d) culturing the hybridoma cells, and

- e) isolating from the culture monoclonal antibody which binds specifically to a polypeptide having the amino acid sequence of SEQ ID NO:1.
- 40. (currently amended) A monoclonal antibody produced by a method comprising:
- (a) immunizing an animal with a polypeptide having the amino acid sequence of SEQ ID NO:1;[.]
 - (b) isolating an antibody producing cell from the animal;
 - (c) fusing the isolated cell with an immortalized cell to form a hybridoma cell;
 - (d) culturing the hydridoma cell; and
- (e) isolating from the hydridoma cell culture a monoclonal antibody that specifically binds to a polypeptide comprising an amino acid sequence of SEQ ID NO:1, wherein the antibody specifically binds to an epitope within the amino acid sequence of SEQ ID NO:1.
- 41. (previously presented) A composition comprising the monoclonal antibody of claim 40 and a suitable carrier.
- 42. (previously presented) The antibody of claim 11, wherein the antibody is produced by screening a Fab expression library.
- 43. (previously presented) The antibody of claim 11, wherein the antibody is produced by screening a recombinant immunoglobulin library.
- 44. (withdrawn) A method of detecting polypeptide having the amino acid sequence of SEQ ID NO:1 in a sample, the method comprising:
 - a) incubating the antibody of claim 11 with a sample under conditions to allow specific binding of the antibody and the polypeptide, and
 - b) detecting specific binding, wherein specific binding indicates the presence of a polypeptide having the amino acid sequence of SEQ ID NO:1 in the sample.

- 45. (withdrawn): A method of purifying a polypeptide having the amino acid sequence of SEQ ID No:1 from a sample, the method comprising:
 - a) incubating the antibody of claim 11 with a sample under conditions to allow specific binding of the antibody and the polypeptide, and
 - b) separating the antibody from the sample and obtaining the purified polypeptide having the amino acid sequence of SEQ ID NO:1.

46-55. (canceled)

- 56. (withdrawn) A polypeptide of claim 1, comprising the amino acid sequence of SEQ ID NO:1.
 - 57. (canceled)
- 58. (previously presented) The antibody of claim 11, wherein the antibody inhibits the transport of phosphate molecules by a polypeptide comprising the amino acid sequence of SEQ ID NO: 1.
- 59. (previously presented) The antibody of claim 11, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 1.
- 60. (previously presented) The composition of claim 32, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 1.